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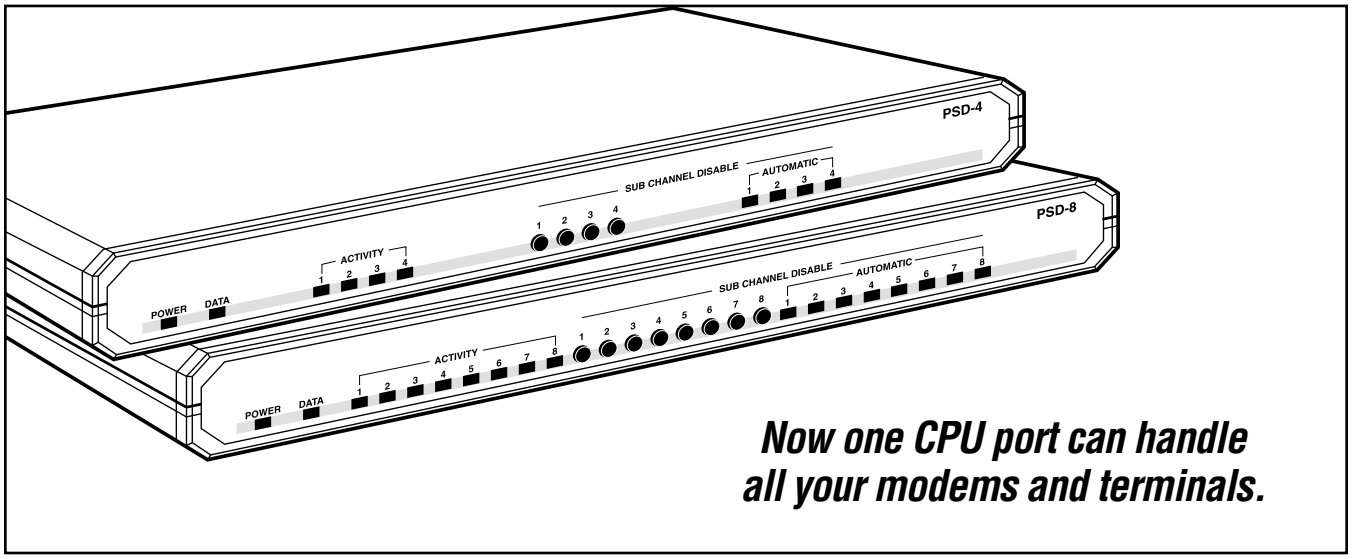
Black Box Corporation.

BLACK BOX® NETWORK SERVICES

Black Box Corporation • 1000 Park Drive • Lawrence, PA 15055-1018 • Tech Support: 724-746-5500 • **www.blackbox.com** • **e-mail: info@blackbox.com**

PSD-4 AND PSD-8



Now one CPU port can handle all your modems and terminals.

Key Features

- ***Reduces line costs.***
- ***Includes anti-streaming capability.***
- ***Supports synchronous or asynchronous equipment.***
- ***Supports speeds up to 19.2 kbps.***
- ***Includes a built-in buffer.***
- ***Features flexible contention methods.***
- ***Easy to install.***

With the Programmable Sharing Device (PSD), you can connect any combination of four or eight terminals to one port on your IBM® host—and slash your line costs. Or you can let four or eight terminals share a modem, or four or eight modems or terminals share a mux. No matter what type of combination you choose, you save money.

An anti-streaming feature reduces downtime, too. The PSD senses data streaming and automatically disables the faulty channel. Now, you won't have to worry about leased-line noise causing a constant transmission that overloads all the channels and stops data flow.

The PSD is transparent to any system. It works with synchronous or asynchronous equipment at data rates of up to 19.2 kbps. It also generates internal timing signals or gets its clocking externally from subchannels. A 16-bit buffer accommodates clocking differences.

Lock out idle ports manually or automatically. You can set the PSD to disable an "active" port on which no data has been sent for a preset length of time anywhere from 1.7 to 108 seconds. You can also disable a port via a front-panel switch.

Flexible contention methods make the PSDs easy to use when the usual signals aren't available. Choose RTS, DCD, or actual data signals to control contention.

Best of all, installing the PSD takes just minutes and requires only a straight-through cable. Crossover connections are done inside the unit and are controlled by a DTE/DCE switch. The PSD also includes an LED that shows automatic disabling.

Note: Asynchronous and synchronous equipment cannot be mixed on the same PSD.

Typical Applications

- Don't buy dedicated modems or muxes for infrequent users. Use the PSD-4 and let up to four users share one modem or mux.
- Use the PSD-8 to connect multiple devices, such as modems and controllers, to your AS/400®.

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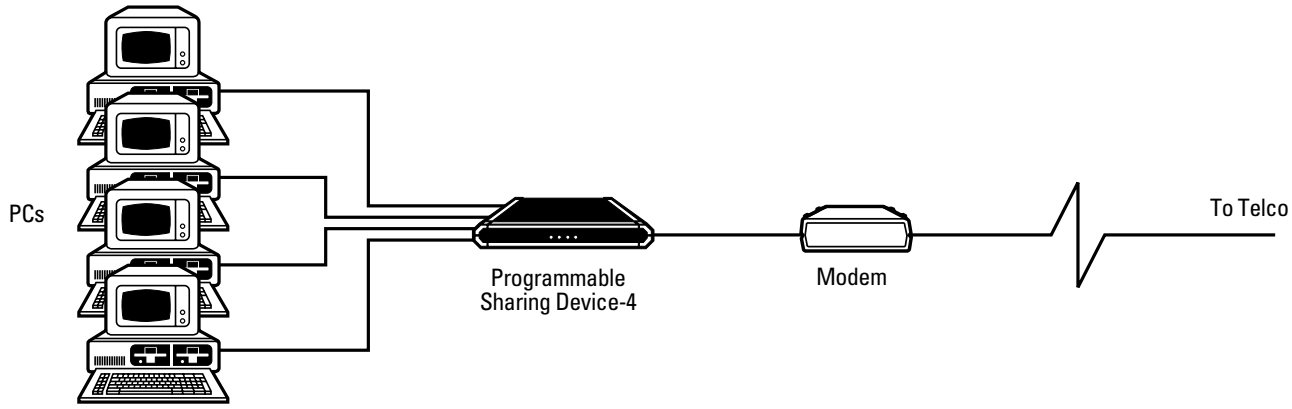

Save on equipment costs. Use the PSD-4 and let infrequent users transmit and receive data via one modem.

Specifications

Clock: Internal (self-generated) or external (supplied by DTE or DCE)

Contention Type: Control (RTS or DCD) or data signals

Operation: Synchronous or asynchronous

Speed: Up to 19.2 kbps

User Channels: 4 or 8

Interface: RS-232/CCITT V.24

Connectors:
PSD-4: (5) DB25 female;
PSD-8: (9) DB25 female

Indicators: PSD-4: (1) ON/OFF,
(4) Channel Activity,
(4) Channel Disable;
(1) displays data broadcast from main channel to subchannels;
PSD-8: (1) ON/OFF,
(8) Channel Activity,
(8) Channel Disable;
(1) displays data broadcast from main channel to subchannels

Power: 115/230 VAC, 60/50 Hz, 10 watts (230-VAC model available on request)

Size: PSD-4: 1.8"H x 14"W x 10.5"D (4.6 x 35.6 x 26.7 cm);
PSD-8: 1.7"H x 17" x 8.2"D (4.3 x 43.2 x 20.8 cm)

Weight: PSD-4: 5.5 lb. (2.5 kg);
PSD-8: 4.4 lb. (2 kg)

Technically Speaking

The PSD supports three clock modes: internal, external from the main channel, or external from subchannel 1.

A built-in buffer compensates for phase differences between modem clocks that are connected to the subchannels and the PSD's main-channel transmit clock. You can activate an extra buffer option on the PSD-8 when it's connected to equipment that cannot accept an external clock, such as DDS (in the United States).

You can use side-panel brackets to install the PSD in a 19" rack. The brackets can be removed without harming the PSD.

The PSD includes four LEDs. POWER lights when the device is receiving AC power. DATA lights when data is broadcast from the main channel to the subchannels. ACTIVITY lights when a subchannel accesses the main channel. AUTOMATIC lights when a subchannel has been automatically disabled.

Ordering Information

ITEM	CODE
Programmable Sharing Device-4	TL304A
Programmable Sharing Device-8	TL305A

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